

2113



OIPE

## RAW SEQUENCE LISTING

DATE: 02/15/2002

PATENT APPLICATION: US/09/981,002

TIME: 15:37:53

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7 <130> FILE REFERENCE: TKR2050.1  
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/981,002  
C--> 9 <141> CURRENT FILING DATE: 2001-10-17  
9 <150> PRIOR APPLICATION NUMBER: US 08/021,623  
10 <151> PRIOR FILING DATE: 1993-02-19  
12 <150> PRIOR APPLICATION NUMBER: US 08/483,535  
13 <151> PRIOR FILING DATE: 1995-06-07  
15 <150> PRIOR APPLICATION NUMBER: US 08/931,818  
16 <151> PRIOR FILING DATE: 1997-09-16  
18 <160> NUMBER OF SEQ ID NOS: 29  
20 <170> SOFTWARE: PatentIn version 3.0  
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86 1 5 10 15
88 gag gag gcc ccc tgg ccc ccg ccg gaa ggg gcc ttc gtg ggc ttt gtg 96
89 Glu Glu Ala Pro Trp Pro Pro Pro Glu Gly Ala Phe Val Gly Phe Val
90 20 25 30
92 ctt tcc cgc aag gag ccc atg tgg gcc gat ctt ctg gcc ctg gcc gcc 144
93 Leu Ser Arg Lys Glu Pro Met Trp Ala Asp Leu Leu Ala Leu Ala Ala
94 35 40 45
96 gcc agg ggg ggc cgg gtc cac cgg gcc ccc gag cct tat aaa gcc ctc 192
97 Ala Arg Gly Gly Arg Val His Arg Ala Pro Glu Pro Tyr Lys Ala Leu
98 50 55 60
100 agg gac ctg aag gag gcg cgg ggg ctt ctc gcc aaa gac ctg agc gtt 240
101 Arg Asp Leu Lys Glu Ala Arg Gly Leu Leu Ala Lys Asp Leu Ser Val
102 65 70 75 80
104 ctg gcc ctg agg gaa ggc ctt ggc ctc ccg ccc ggc gac gac ccc atg 288
105 Leu Ala Leu Arg Glu Gly Leu Gly Leu Pro Pro Gly Asp Asp Pro Met
106 85 90 95
108 ctc ctc gcc tac ctc ctg gac cct tcc aac acc acc ccc gag ggg gtg 336
109 Leu Leu Ala Tyr Leu Leu Asp Pro Ser Asn Thr Thr Pro Glu Gly Val
110 100 105 110
112 gcc cgg cgc tac ggc ggg gag tgg acg gag gag gcg ggg gag cgg gcc 384
113 Ala Arg Arg Tyr Gly Gly Glu Trp Thr Glu Glu Ala Gly Glu Arg Ala
114 115 120 125
116 gcc ctt tcc gag agg ctc ttc gcc aac ctg tgg ggg agg ctt gag ggg 432
117 Ala Leu Ser Glu Arg Leu Phe Ala Asn Leu Trp Gly Arg Leu Glu Gly
118 130 135 140
120 gag gag agg ctc ctt tgg ctt tac cgg gag gtg gag agg ccc ctt tcc 480
121 Glu Glu Arg Leu Leu Trp Leu Tyr Arg Glu Val Glu Arg Pro Leu Ser
122 145 150 155 160
124 gct gtc ctg gcc cac atg gag gcc acg ggg gtg cgc ctg gac gtg gcc 528
125 Ala Val Leu Ala His Met Glu Ala Thr Gly Val Arg Leu Asp Val Ala
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136	cgg gac cag ctg gaa agg gtc ctc ttt gac gag cta ggg ctt ccc gcc							672
137	Arg Asp Gln Leu Glu Arg Val Leu Phe Asp Glu Leu Gly Leu Pro Ala							
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144	ctg gag gcc ctc cgc gag gcc cac ccc atc gtg gag aag atc ctg cag							768
145	Leu Glu Ala Leu Arg Glu Ala His Pro Ile Val Glu Lys Ile Leu Gln							
146		245		250		255		
148	tac cgg gag ctc acc aag ctg aag agc acc tac att gac ccc ttg ccg							816
149	Tyr Arg Glu Leu Thr Lys Leu Lys Ser Thr Tyr Ile Asp Pro Leu Pro							
150		260		265		270		
152	gac ctc atc cac ccc agg acg ggc cgc ctc cac acc cgc ttc aac cag							864
153	Asp Leu Ile His Pro Arg Thr Gly Arg Leu His Thr Arg Phe Asn Gln							
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156	acg gcc acg gcc acg ggc agg cta agt agc tcc gat ccc aac ctc cag							912
157	Thr Ala Thr Ala Thr Gly Arg Leu Ser Ser Ser Asp Pro Asn Leu Gln							
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160	aac atc ccc gtc cgc acc ccg ctt ggg cag agg atc cgc cgg gcc ttc							960
161	Asn Ile Pro Val Arg Thr Pro Leu Gly Gln Arg Ile Arg Arg Ala Phe							
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164	atc gcc gag gag ggg tgg cta ttg gtg gcc ctg gac tat agc cag ata							1008
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168	gag ctc agg gtg ctg gcc cac ctc tcc ggc gac gag aac ctg atc ccg							1056
169	Glu Leu Arg Val Leu Ala His Leu Ser Gly Asp Glu Asn Leu Ile Arg							
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172	gtc ttc cag gag ggg ccg gac atc cac acg gag acc gcc agc tgg atg							1104
173	Val Phe Gln Glu Gly Arg Asp Ile His Thr Glu Thr Ala Ser Trp Met							
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176	ttc ggc gtc ccc ccg gag gcc gtg gac ccc ctg atg cgc cgg gcg gcc							1152
177	Phe Gly Val Pro Arg Glu Ala Val Asp Pro Leu Met Arg Arg Ala Ala							
178		370		375		380		
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181	Lys Thr Ile Asn Phe Gly Val Leu Tyr Gly Met Ser Ala His Arg Leu							
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185	Ser Gln Glu Leu Ala Ile Pro Tyr Glu Glu Ala Gln Ala Phe Ile Glu							
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193	Leu Glu Glu Gly Arg Arg Arg Gly Tyr Val Glu Thr Leu Phe Gly Arg							
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201 Ala Ala Glu Arg Met Ala Phe Asn Met Pro Val Gln Gly Thr Ala Ala
202 465 470 475 480
204 gac ctc atg aag ctg gct atg gtg aag ctc ttc ccc agg ctg gag gaa 1488
205 Asp Leu Met Lys Leu Ala Met Val Lys Leu Phe Pro Arg Leu Glu Glu
206 485 490 495
208 atg ggg gcc agg atg ctc ctt cag gtc cac gac gag ctg gtc ctc gag 1536
209 Met Gly Ala Arg Met Leu Leu Gln Val His Asp Glu Leu Val Leu Glu
210 500 505 510
212 gcc cca aaa gag agg gcg gag gcc gtg gcc cgg ctg gcc aag gag gtc 1584
213 Ala Pro Lys Glu Arg Ala Glu Ala Val Ala Arg Leu Ala Lys Glu Val
214 515 520 525
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date